Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/15/2021 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124596	-1	2.58	124544	2.59
Blue	F	SSC	125000	123096	-2	3.85	123448	3.76
Blue	E	FITC	13131	12712	-4	3.60	294	15.83
Blue	D	PE	24112	23655	-2	3.26	540	11.37
Blue	B	PerCP-Cy5-5	31295	30666	-3	4.28	1017	15.01
Blue	A	PE-Cy7	19939	19649	-2	6.26	523	29.57
Red	C	APC	42122	40954	-3	2.89	1717	11.68
Red	A	APC-Cy7	22340	21769	-3	3.15	818	11.82
Violet	B	V450	7410	7040	-5	3.98	439	12.97
Violet	A	V500	28118	26705	-6	3.55	673	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22036	3.52	583	14	N/A	N/A	Pass
Blue	F	SSC	57216	2.54	521	9	N/A	N/A	Pass
Blue	E	FITC	52	56.10	486	-1	0.0415	119	Pass
Blue	D	PE	113	37.53	489	1	0.3659	262	Pass
Blue	B	PerCP-Cy5-5	188	37.07	585	-1	0.0195	96	Pass
Blue	A	PE-Cy7	104	69.05	627	-1	0.0217	2	Pass
Red	C	APC	398	23.79	580	4	0.0254	83	Pass
Red	A	APC-Cy7	182	28.05	554	3	0.0060	1031	Pass
Violet	B	V450	61	63.54	457	4	0.0508	1957	Pass
Violet	A	V500	95	37.49	468	3	0.0236	1063	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.57	-31.41	1.10
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.33	13.60 - 20.40	N/A	N/A	29.75	30.02	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9721

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments